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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/760,270	01/21/2004	Kia Silverbrook	RRA23US	1025
24011	7590	01/10/2008		
SILVERBROOK RESEARCH PTY LTD 393 DARLING STREET BALMAIN, 2041 AUSTRALIA			EXAMINER UHLENHAKE, JASON S	
			ART UNIT 2853	PAPER NUMBER
			MAIL DATE 01/10/2008	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/760,270

Applicant(s)

SILVERBROOK, KIA

Examiner

Jason Uhlenhake

Art Unit

2853

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on amendment filed 10/11/2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-6 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/11/2007 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bolash et al (U.S. Pat. 6,183,063) in view of Cook (U.S. Pat. 6,158,850)

Bolash discloses:

- ***regarding claim 1***, a body defining a recess (20, 22) dimensioned to locate a removable inkjet cartridge (Figure 1; Column 3, Lines 24-35; Lines 65-67), the inkjet cartridge having a pagewidth printhead (Figure 1; Column 3, Lines 45-46) and an ink supply, such that the cradle and cartridge together form an inkjet printer (Column 3, Lines 24-26)

- terminals positioned upon the body to contact corresponding terminals located upon the removable inkjet cartridge upon insertion of said cartridge into the recess thereby facilitating electrical communication between cradle and the printhead of said cartridge for causing ink ejection from the printhead (Column 3, Line 65 – Column 4, Line 11)

Bolash does not disclose expressly the following:

- ***regarding claim 1***, an authentication device storing printing performance information of the print head and authentication information; the verification circuit being part of a processor of the cradle which is configured to determine the printing performance of the cartridge and to authenticate the cartridge from the stored printing performance and authentication information

Cook discloses:

- ***regarding claim 1***, an authentication device storing (memory) printing performance information of the print head and authentication information (Abstract; Column 3, Lines 1-11); the verification circuit being part of a processor of the cradle which is configured to determine the printing performance (ink type) (Abstract) of the cartridge and to authenticate the cartridge from the stored printing performance and authentication information (Column 6, Lines 25-38)

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Cook into the device of Bolash, for the purpose of preventing ink of incompatible cartridge from mixing with ink of the primary cartridge (Column 2, Lines 15-29)

Claims 2, 5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bolash et al (U.S. Pat. 6,183,063) as modified by Cook (U.S. Pat. 6,158,850) as applied to claim 1 above, and further in view of Silverbrook et al (U.S. Pat. 6,588,952).

Bolash as modified by Cook discloses all the claimed limitations except for the following:

- ***regarding claim 2***, wherein the terminals are located upon one or more walls of the recess
- ***regarding claim 5***, wherein the terminals comprise data and power terminals

Silverbrook ('952) discloses:

- ***regarding claim 2***, wherein the terminals are located upon one or more walls of the recess (Column 4, Lines 54 – 59), for the purpose of communicating print data to the printhead.
- ***regarding claim 5***, wherein the terminals comprise data and power terminals (Column 4, Lines 46 – 59), for the purpose of communicating print data to the printhead.

At the time the invention was made it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Silverbrook ('952) into the device of Bolash as modified by Cook, for the purpose of communicating the print data to the printhead.

Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bolash et al (U.S. Pat. 6,183,063) as modified by Cook (U.S. Pat. 6,158,850) and Silverbrook et al (U.S. Pat. 6,588,952) as applied to claim 1 above, and further in view of Silverbrook et al (U. S. Pat. 6,755,513).

Bolash as modified by Cook and Silverbrook ('952) discloses:

- ***regarding claim 3 and 4***, wherein the recess (20, 22) is elongate (Figure 1; Column 3, Lines 65-67)

Bolash as modified by Cook and Silverbrook ('952) does not disclose expressly:

- ***regarding claim 3***, wherein the terminals are located on at least one end wall of the recess
- ***regarding claim 4***, wherein the terminals are located on opposing end wall of the recess

Silverbrook et al ('513) discloses:

- ***regarding claim 3***, wherein the terminals are located on at least one end wall of the recess. (Column 9, Lines 20 – 34; Claims 3 – 5; Figure 2), for the purpose of establishing communication with the removable inkjet cartridge.
- ***regarding claim 4***, wherein the terminals are located on opposing end wall of the recess (Column 9, Lines 20 – 34; Claims 3 – 5; Figure 2), for the purpose of establishing communication with the removable inkjet cartridge.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Silverbrook et al ('513) into the

device of Bolash as modified by Cook and Silverbrook ('952), for the purpose of communicating print data to the printhead and establishing communication with the removable inkjet cartridge.

Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Bolash et al (U.S. Pat. 6,183,063) in view of Cook (U.S. Pat. 6,158,850) Silverbrook et al (U.S. Pat. 6,588,952) and Silverbrook et al (U. S. Pat. 6,755,513).

Bolash discloses:

- ***regarding claim 6***, a body defining an elongate recess (Figure 1, 20, 22) dimensioned to locate a removable inkjet cartridge (Figure 1; Column 3, Lines 24-35; Lines 65-67), the inkjet cartridge having a pagewidth printhead (Figure 1; Column 3, Lines 45-46) and an ink supply; such that the cradle and cartridge together form an inkjet printer (Column 3, Lines 24-26)
- terminals positioned upon the body to contact corresponding terminals located upon the removable inkjet cartridge upon insertion of said cartridge into the recess thereby facilitating electrical communication between cradle and the printhead of said cartridge for causing ink ejection from the printhead (Column 3, Line 65 – Column 4, Line 11)

Bolash does not disclose expressly the following:

- ***regarding claim 6***, power and data terminals; terminals positioned upon opposing end walls of the recess

- ***further regarding claim 6***, an authentication device and verification circuit for authenticating the cartridge upon insertion

Cook discloses:

- ***regarding claim 6***, an authentication device and verification circuit for authenticating the cartridge upon insertion (Abstract; Column 3, Lines 1-11; Column 6, Lines 25-38), for the purpose of preventing ink of incompatible cartridge from mixing with ink of the primary cartridge (Column 2, Lines 15-29)

Silverbrook ('952) discloses:

- ***regarding claim 6***, power and data terminals (Column 4, Lines 46 – 59), for the purpose of establishing communication with the removable inkjet cartridge.

Silverbrook et al ('513) discloses:

- ***regarding claim 6***, terminals positioned upon opposing end walls of the recess (Column 9, Lines 20 – 34; Claims 3 – 5; Figure 2), for the purpose of establishing communication with the removable inkjet cartridge.

At the time the invention was made, it would have been obvious to a person of ordinary skill in the art to incorporate the teaching of Cook, Silverbrook ('952) and Silverbrook et al ('513) into the device of Bolash, for the purpose of establishing communication with the removable inkjet cartridge and preventing ink of incompatible cartridge from mixing with ink of the primary cartridge

Response to Arguments

Applicant's arguments with respect to claims 1-6 have been considered but are moot in view of the new ground(s) of rejection. Please see the above rejections regarding Bolash et al (U.S. Pat. 6,183,063) in view of Cook (U.S. Pat. 6,158,850)

Conclusion

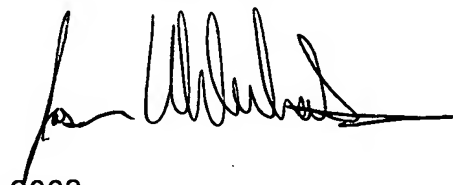
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jason Uhlenhake whose telephone number is (571) 272-5916. The examiner can normally be reached on Monday - Friday 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Meier can be reached on (571) 272-2149. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

JSU

January 3, 2008



JULIAN D. HUFFMAN
PRIMARY EXAMINER

1/7/08